

Please read the instructions printed at the end of this form. One of these sheets, suitably completed, should be attached to the assessed work of each candidate.

Unit Title	Quality control of engineered products	Unit Code	R112	Series		Year	
Centre Name				Centre Number			
Candidate Name				Candidate Number			

Marking Criteria – Total Marks for this unit is 60

Mark Band 1	Mark Band 2	Mark Band 3	Teacher Comment	Page
LO1: Understand the importance of quality control				
<p>Describes some reasons for implementing quality control in production, with some limited examples.</p> <p>Describes some quality control procedures used in production.</p> <p style="text-align: right;">1 – 2 marks</p>	<p>Describes in detail most reasons for implementing quality control in production, with some clear examples.</p> <p>Describes most quality control procedures used in production in some detail.</p> <p style="text-align: right;">3 – 4 marks</p>	<p>Describes in detail all the reasons for implementing quality control in production, with a range of clear and relevant examples.</p> <p>Comprehensively describes all quality control procedures used in production.</p> <p style="text-align: right;">5 – 6 marks</p>	<div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> Mark </div>	

LO2: Be able to assess product quality from inspection and quality control techniques			Teacher Comment	Page
<p>Outlines some quality control techniques and inspection checks used in stages of production.</p> <p style="text-align: right;">1 – 4 marks</p>	<p>Describes in some detail most quality control techniques and inspection checks used in stages of production.</p> <p style="text-align: right;">5 – 8 marks</p>	<p>Comprehensively describes all quality control techniques and inspection checks used in stages of production.</p> <p style="text-align: right;">9 – 12 marks.</p>	<div style="border: 1px solid black; padding: 5px; width: 50px; margin: 0 auto;">Mark</div>	
<p>Requires regular assistance to inspect a product using appropriate tools and techniques.</p> <p>Produces a basic evaluation based on some quality control checks.</p> <p>Draws upon limited skills/knowledge/ understanding from other units in the specification.</p> <p style="text-align: right;">1 – 5 marks</p>	<p>Requires occasional assistance to inspect a product using appropriate tools and techniques.</p> <p>Produces a detailed evaluation based on most quality control checks.</p> <p>Draws upon some relevant skills/ knowledge/understanding from other units in the specification.</p> <p style="text-align: right;">6 – 10 marks</p>	<p>Works independently and competently to inspect a product using appropriate tools and techniques.</p> <p>Produces a detailed and comprehensive evaluation based on quality control checks.</p> <p>Clearly draws upon relevant skills/ knowledge/understanding from other units in the specification.</p> <p style="text-align: right;">11 –15 marks</p>	<div style="border: 1px solid black; padding: 5px; width: 50px; margin: 0 auto;">Mark</div>	
LO3: Know how modern technologies can be used in quality control				
<p>Describes a limited range of applications of modern technologies in quality control.</p> <p style="text-align: right;">1 – 4 marks</p>	<p>Describes in some detail a range of applications of modern technologies in quality control.</p> <p style="text-align: right;">5 – 8 marks</p>	<p>Describes in detail a wide range of applications of modern technologies in quality control.</p> <p style="text-align: right;">9 – 12 marks</p>	<div style="border: 1px solid black; padding: 5px; width: 50px; margin: 0 auto;">Mark</div>	

LO 4: Know the principles of lean manufacturing			Teacher Comment	Page
<p>Describes a limited range of categories of waste, with little reference to their cause.</p> <p style="text-align: center;">1 – 2 marks</p>	<p>Describes a range of categories of waste, with some references to their cause.</p> <p style="text-align: center;">3 – 4 marks</p>	<p>Describes a wide range of categories of waste, with many clear references to their cause.</p> <p style="text-align: center;">5 – 6 marks</p>	<div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> Mark </div>	
<p>Outlines methods used to reduce waste, showing limited knowledge of the different aspects of Design for Manufacturing Assembly and sustainable design considerations.</p> <p style="text-align: center;">1 – 3 marks</p>	<p>Describes in some detail methods used to reduce waste, showing adequate knowledge of the different aspects of Design for Manufacturing Assembly and sustainable design considerations.</p> <p style="text-align: center;">4 – 6 marks</p>	<p>Comprehensively describes methods used to reduce waste, showing detailed knowledge of the different aspects of Design for Manufacturing Assembly and sustainable design considerations.</p> <p style="text-align: center;">7 – 9 marks</p>	<div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> Mark </div>	
Total/60				
If this work is a re-sit, please tick		Session and Year of previous submission		Please tick to indicate this work has been standardised internally

Guidance on Completion of this Form

Please note: This form may be updated on an annual basis. The current version of this form will be available on the OCR website (www.ocr.org.uk).

Guidance on Completion of this Form

- 1 **One** sheet should be used for each candidate.
- 2 Please ensure that the appropriate boxes at the top of the form are completed.
- 3 Please enter *specific* page numbers where evidence can be found in the portfolio, and where possible, indicate to which part of the text in the mark band the evidence relates.
- 4 Circle the mark awarded for each strand of the marking criteria in the appropriate box and enter the circled mark in the final column.
- 5 Add the marks for the strands together to give a total out of 60 Enter this total in the relevant box.